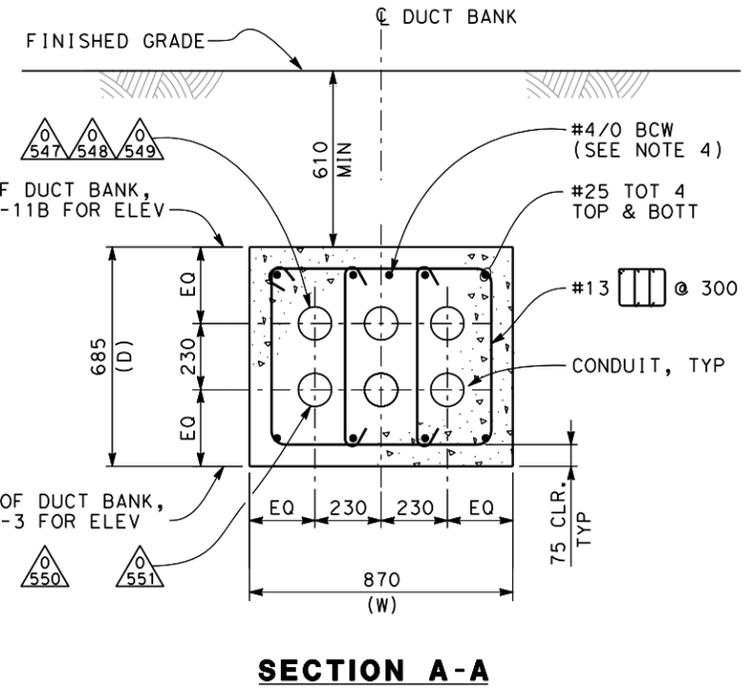
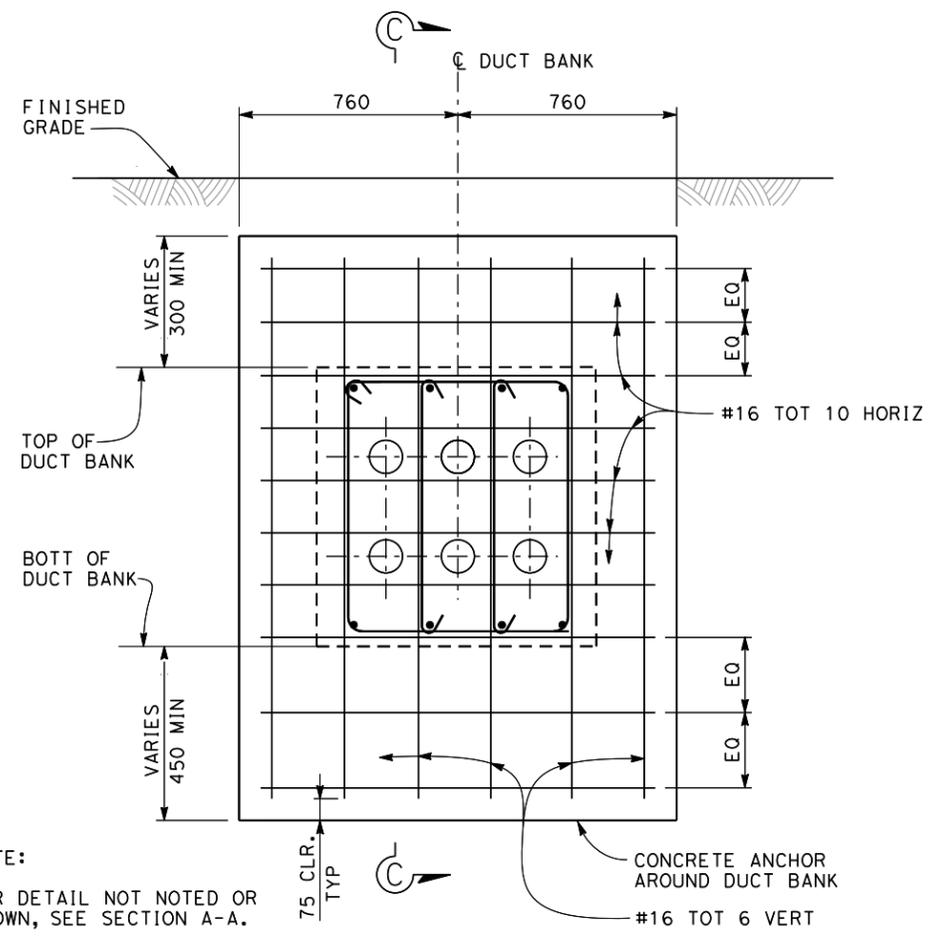




DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9		21S3	1204
07/05/11 REGISTERED ELECTRICAL ENGINEER DATE						
PLANS APPROVAL DATE PB AMERICAS, Inc. A Parsons Brinckerhoff Company 303 Second St., Suite 700N San Francisco, CA 94107-1317						
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>						
Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov						



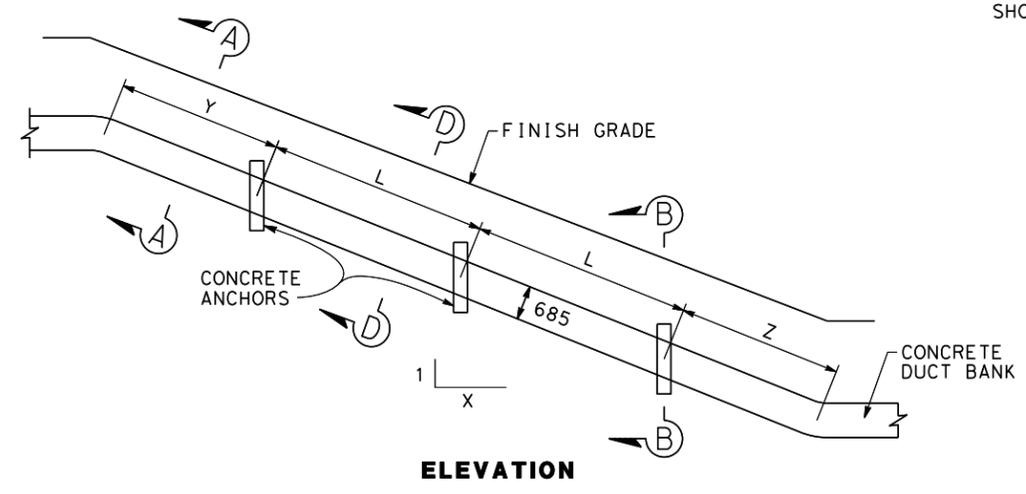
SECTION A-A



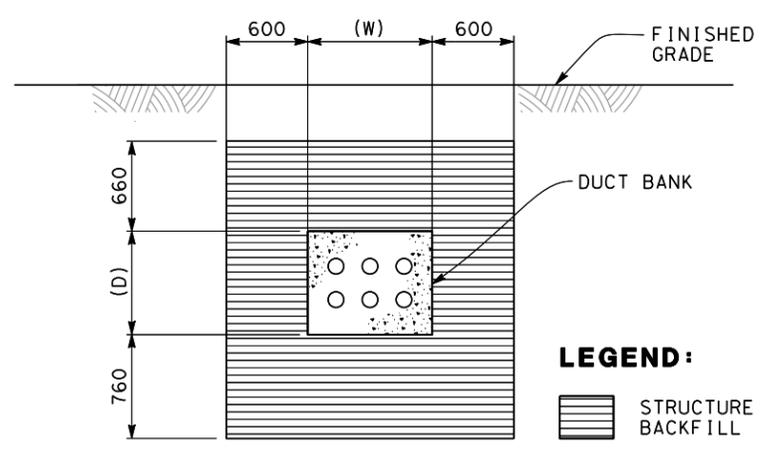
SECTION B-B

NOTE:
FOR DETAIL NOT NOTED OR SHOWN, SEE SECTION A-A.

- NOTES:**
1. SPACING OF CONCRETE ANCHORS FOR DUCT BANK SLOPES BETWEEN VALUES SHOWN IN TABLE A MAY BE INTERPOLATED.
 2. CONCRETE ANCHORS ARE NOT REQUIRED AT DUCT BANK WHEN DUCT BANK SLOPE IS LESS THAN 1:3.
 3. THE MAXIMUM LOADING ON DUCT BANK IS 280 kPa.
 4. CONNECT GROUND CONDUCTOR TO GROUND BAR INSIDE MANHOLE.

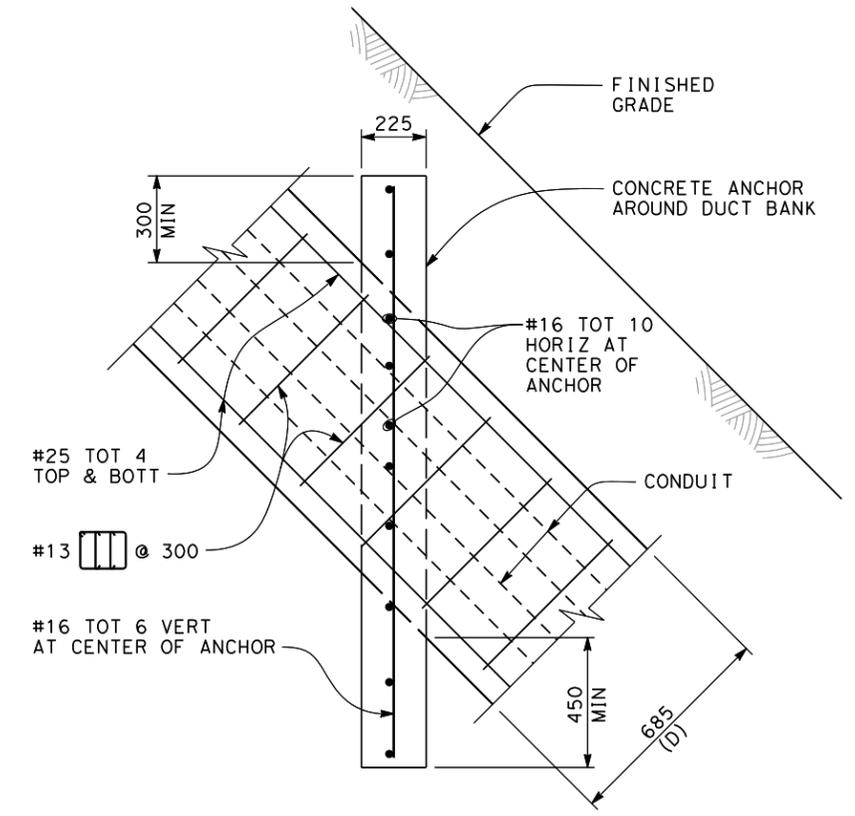


CONCRETE DUCT BANK ANCHORS (870 mm (W) X 685 mm (D))



LIMITS OF STRUCTURE BACKFILL AT DUCT BANK ON SLOPE (LIMITS AS SHOWN NORMAL TO DUCT BANK)

LEGEND:
 STRUCTURE BACKFILL



SECTION C-C

TABLE A (For 870 X 685 DUCT BANK)

DUCT BANK SLOPE (1:X)	L (Max) (mm)	Z (Max) (mm)	Y (Max) (mm)	LENGTH OF EXCAVATION IN STAGES (Max) (mm)
1:1	4270	1200	2135	4270
1:1.5	5485	1525	2590	5485
1:2	6705	1830	3050	6705
1:2.5	7620	2135	3810	7620
1:3	9145	2440	4570	9145

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
08/08/11	W2 DUCT BANKS REINFORCEMENT	MG	LJ	205	
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
		REVISIONS			

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DETAILS UTILITY PLAN DUCT BANK STRUCTURAL DETAILS

NO SCALE

U-4

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN
 DGN FILE => C:\Documents and Settings\Koonc\My Documents\SAS\CCO\CCO 205\CCO 205 Draft 3 Issued for Submittal (08-10-2011)\04-0120 USERNAME => Koonc CU 04251 EA 0120F1

REVISOR	DATE	REVISION

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DATE PLOTTED => 8/10/2011
TIME PLOTTED => 2:38:04 PM
LAST REVISION 00-00-00